



PCT #
IAP4 Rec'd PCT/PTO 18 JAN 2006

PATENT
Docket No.: 12477/8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Kota KITAMURA, et al.
SERIAL NO. : 10//530,965
FILED : 11 April 2005
FOR : COMPOSITE ION EXCHANGE MEMBRANE
GROUP ART UNIT : (Unknown) **Conf. No. 2370**

COMMISSIONER FOR PATENTS

Customer Service Window
Randolph Bldg.
401 Dulany Street
Alexandria, VA 22314

RESPONSE TO NOTICE OF MISSING REQUIREMENTS UNDER 35 USC §371

SIR:

In response to the Notification of Missing Requirements mailed 30 November 2005, submitted herewith is a copy of the original Declaration/Power of Attorney duly signed by all nine inventors, accompanied by a verified translation of a family registration of the name change from Miyako SATO to Miyako NOSHIRO. A copy of the Notification of Missing Requirements is also enclosed.

Please charge Deposit Account No. 11-0600 in the amount of \$130.00 to cover the surcharge for late filing of this document. A copy of this sheet is enclosed for that purpose.

01/20/2006 LLANDGRA 00000011 110600 10530965
01 FC:1617 130.00 DA

Dated: 18 January 2006

Respectfully submitted,

Cassandra T. Swain
Cassandra T. Swain, Ph.D.
(Reg. No. 48,361)

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01/20/06 11:00



CERTIFICATION OF VERIFICATION

I, Gihei NAKAMURA, c/o Fukami Patent Office, Nakanoshima Central Tower,
22nd Floor, 2-7, Nakanoshima 2-chome, Kita-ku, Osaka-shi, Osaka, Japan, state that
the attached document is a true and complete translation to the best of my knowledge of
the certified copy of Mrs. Miyako NOSHIRO's Family Registration.

Signed at Osaka, Japan

Dated this 17th day of January, 2006

Signature of translator:


Gihei NAKAMURA

FAMILY REGISTRATION

Permanent domicile:

14, Hongo 6-chome, Bunkyo-ku, Tokyo, Japan

Name: Daisuke NOSHIRO

Newly established on February 4, 2004.

* * * * *

Born at Kure-shi, Hiroshima, Japan on September 15, 1973, and notified by his father on September 20, 1973.

Notified marriage to Miyako SAITO on February 2, 2004, transmitted the notification by the headman of Fukushima-ku, Osaka-shi, Osaka, Japan and entered in the family register from Atsumu NOSHIRO residing at 1074, Agakita 5-chome, Kure-shi, Hiroshima, Japan on February 4, 2004.

Father: Atsumu NOSHIRO

Mother: Hiroko

Second son

Husband: Daisuke

Birth: September 15, 1973

Born at Chiyoda-ku, Tokyo, Japan on September 14, 1973, notified by her father on September 20, 1973, transmitted the notification by the headman of Koto-ku, Tokyo, Japan and entered in the family register on September 27, 1973.

Notified marriage to Daisuke NOSHIRO on February 2, 2004, transmitted the notification by the headman of Fukushima-ku, Osaka-shi, Osaka, Japan and entered in the family register from Mitsuo SAITO residing at 12-3, Midori 3-chome, Sumida-ku, Tokyo, Japan on February 4, 2004.

Father: Mitsuo SAITO

Mother: Kiyo

First daughter

Wife: Miyako

Birth: September 14, 1973

* * * * *

This is to certify that the above is a certified copy of the Family
Registration.

January 11, 2006

Headman of Bunkyo-ku, Tokyo, Japan

Tsutomu KEMURIYAMA



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PATENT

Docket No. 12477/8

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Composite Ion Exchange Membrane

the specification of which is attached hereto unless the following is entered:

| was filed on | as United States Application Number or PCT International Application Number | and was amended on (if applicable) |
|------------------|--|------------------------------------|
| October 16, 2003 | PCT/JP03/13278 | |

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

PRIOR FOREIGN APPLICATION(S)

We hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

| Application Number | Country | Filing Date (day/month/year) | Priority Claimed |
|--------------------|---------|------------------------------|------------------|
| 2002-303289(P) | Japan | 17/October/2002 | Yes |
| 2002-303290(P) | Japan | 17/October/2002 | Yes |
| 2002-312837(P) | Japan | 28/October/2002 | Yes |
| 2002-313025(P) | Japan | 28/October/2002 | Yes |
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PROVISIONAL APPLICATION(S)

We hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

| Application Number | Filing Date |
|--------------------|-------------|
| | |

PRIOR UNITED STATES APPLICATION(S)

We hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

| Application Number | Filing Date | Status (patented, pending, abandoned) |
|--------------------|-------------|---------------------------------------|
| | | |
| | | |

POWER OF ATTORNEY

We hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Registered Practitioners of Kenyon & Kenyon included in the CUSTOMER NUMBER

23838

Direct telephone calls to:

JOHN C. ALTMILLER
(202) 220-4200

Send correspondence to:

KENYON & KENYON
1500 K STREET, N.W., SUITE 700
Washington, D.C. 20005-1257

We hereby declare that all statements made herein of our own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

| | | | |
|--|---|--------------------------------------|---|
| Full name of first or sole inventor | Last Name KITAMURA | First Name Kota | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature <i>Kota Kitamura</i> | Date April 8, 2005 | | |
| Full name of second inventor | Last Name SAKAGUCHI | First Name Yoshimitsu | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature <i>Yoshimitsu Sakaguchi</i> | Date April 8, 2005 | | |
| Full name of third inventor | Last Name NAGAHARA | First Name Shigenori | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature <i>Shigenori Nagahara</i> | Date April 8, 2005 | | |
| Full name of fourth inventor | Last Name HAMAMOTO | First Name Shiro | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature <i>Shiro Hamamoto</i> | Date April 8, 2005 | | |

| | | | |
|-------------------------------------|---|---|--|
| 5a Full name of fifth inventor | Last Name TAKIMOTO | First Name Naohiko | Middle Name |
| Residence | City Yokohama-shi | State or Country Kanagawa, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street 3-4-101, Kaminokidai, Kanagawa-ku | City Yokohama-shi | State or Country & Zip Code Kanagawa 221-0011 Japan |
| Signature Naohiko Takimoto | | Date April 8, 2005 | |
| 6a Full name of sixth inventor | Last Name SUGIHARA | First Name Hideki | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature Hideki Sugihara | | Date April 8, 2005 | |
| 7a Full name of seventh inventor | Last Name TAKASE | First Name Satoshi | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature Satoshi Takase | | Date April 8, 2005 | |
| 8a Full name of eighth inventor | Last Name KITAGAWA | First Name Tooru | Middle Name |
| Residence | City Otsu-shi | State or Country Shiga, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street c/o TOYO BOSEKI KABUSHIKI KAISHA RESEARCH CENTER, 1-1, Katata 2-chome | City Otsu-shi | State or Country & Zip Code Shiga 520-0292 Japan |
| Signature Tooru Kitagawa | | Date April 8, 2005 | |
| 9a Full name of ninth inventor | Last Name NOSHIRO | First Name Miyako | Middle Name |
| Residence | City Osaka-shi | State or Country Osaka, Japan JPX | Country of Citizenship Japan |
| Post Office Address | Street 6-15-5-302, Fukushima, Fukushima-ku | City Osaka-shi | State or Country & Zip Code Osaka 553-0003 Japan |
| Signature Miyako Noshiro | | Date April 11, 2005 | |
| Full name of tenth inventor | Last Name | First Name | Middle Name |
| Residence | City | State or Country | Country of Citizenship |
| Post Office Address | Street | City | State or Country & Zip Code |
| Signature | | Date | |